

In the claims:

Please cancel claims 30-32 and 39.

Claims 33-38 and 40 are newly amended and claim 42 is newly added as set forth below.

Thus, claims 33-38 and 40-42 are pending in the application. A complete list of all of the claims filed in this application is provided below for the Examiner's convenience:

Claims 1-29. (Previously Canceled)

Claims 30-32. (Currently Canceled)

33. (Amended) Starch ~~[according to claim 32,]~~ extracted from a plant that has been stably transformed with at least two heterologous nucleic acid sequences, wherein each nucleic acid sequence encodes a different starch synthase enzyme, wherein the starch has a viscosity onset temperature [is], as judged by viscoamylograph of a 10% w/w aqueous suspension at atmospheric pressure using a Newport Scientific Rapid-Visco Analyser, ^{wherein the temperature is} reduced by at least about 12°C compared to starch extracted from equivalent, unmodified plants.

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34. (Amended) Starch ~~[according to any one of claims 30 to 33,]~~ extracted from a plant that has been stably transformed with at least two heterologous nucleic acid sequences, wherein each nucleic acid sequence encodes a different starch synthase enzyme, wherein the starch has an endotherm onset temperature, as determined by differential scanning calorimetry using a Perkin Elmer DSC 7 instrument, which is reduced by at least about 15°C compared to starch extracted from equivalent, unmodified plants.

35. (Amended) Starch ~~[according to any one of claims 30 to 33,]~~ extracted from a plant that has been stably transformed with at least two heterologous nucleic acid sequences,

wherein each nucleic acid sequence encodes a different starch synthase enzyme, wherein the starch has an endotherm onset temperature, as determined by differential scanning calorimetry using a Perkin Elmer DSC 7 instrument, which is reduced by at least about 17°C compared to starch extracted from equivalent, unmodified plants.

4.
38. (Amended) Starch [~~according to any one of claims 30-33,~~] extracted from a plant that has been stably transformed with at least two heterologous nucleic acid sequences, wherein the starch has an increased amount of starch molecules with a degree of polymerisation of 6-12, as judged by analysis of debranched starch by high performance anion exchange chromatography (HPAEC) using a Dionex Carbopac PA-100 column, compared to starch extracted from equivalent, unmodified plants.

5.
37. (Amended) Starch [~~according to any one of claims 30-33,~~] extracted from a plant that has been stably transformed with at least two heterologous nucleic acid sequences, wherein each nucleic acid sequence encodes a different starch synthase enzyme, wherein the starch has a decreased amount of starch molecules with a degree of polymerisation of 15-24, as judged by analysis of debranched starch by HPAEC using a Dionex Carbopac PA-100 column, compared to starch extracted from equivalent, unmodified plants.

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6.
38. (Amended) Starch [~~according to any one of claims 30-33,~~] extracted from a plant that has been stably transformed with at least two heterologous nucleic acid sequences, wherein each nucleic acid sequence encodes a starch synthase enzyme, wherein the starch has [~~a chain length distribution substantially as shown by traces 0445 or 0422 in Figure 11~~] about a two fold increase in starch molecules with a degree of polymerization of 6-7 and a depletion of starch molecules with a degree of polymerization between 15-20, as judged by analysis of debranched starch by HPAEC using a Dionex Carbopac PA-100 column, compared to starch extracted from equivalent, unmodified plants.

Claim 39. (Currently Canceled).

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40. (Amended) Starch extracted from a [potato] plant that has been stably transformed with at least two heterologous nucleic acid sequences, wherein each nucleic acid sequence encodes a starch synthase enzyme, and wherein the starch has an endotherm onset temperature, as judged by differential scanning calorimetry ~~using a Perkin Elmer DSC 7 instrument~~, of less than about 50°C.

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41. (Previously Added) Starch according to claim ⁷40, having an endotherm onset temperature of less than about 44°C.

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42. (Currently Added) The starch according to any one of claims ¹⁻⁶33-38 and ⁷⁻⁸40-41, wherein the two heterologous nucleic acid sequences encode potato starch synthase II (SSII) enzyme and potato starch synthase III (SSIII) enzyme.